

AMENDMENTS TO THE CLAIMS

The claims in this listing will replace all prior versions, and listings, of claims in the application.

1. (Currently Amended) A laminated optical disc manufacturing apparatus comprising:

an adhesive applier that applies ~~applying device adapted to apply~~ an adhesive to a first substrate, ~~forming an adhesive layer having a specific thickness between the first substrate and a second substrate superimposed onto the first substrate; and~~

a laminator configured to superimpose a second substrate onto the first substrate with an adhesive layer having a specific thickness between the first and second substrates; and

a centerer ~~centering device~~ insertable within a common center hole of the superimposed substrates, the centerer ~~centering device~~ comprising at least two contact pins configured to simultaneously contact an inside circumferential edge of the common center hole and a high pressure air source that supplies air pressure to said contact pins, wherein the contact pins are adapted to retractably extend in radial ~~substantially opposite~~ directions to press against the inside circumferential edge of the common center hole and align the superimposed substrates.

2. (Currently Amended) The laminated optical disc manufacturing apparatus according to claim 1, further comprising a provisional bonder that ~~bonding device adapted to~~ partially cures ~~cure~~ the adhesive layer between the aligned substrates, the provisional bonder ~~bonding device~~ partially bonding and provisionally fastening the aligned substrates.

3. (Currently Amended) The laminated optical disc manufacturing apparatus according to claim 1, wherein the apparatus is configured to use the ~~adhesive comprising~~ a radiation cure resin as the adhesive.

4. (Currently Amended) The laminated optical disc manufacturing apparatus according to claim 1, wherein the apparatus is configured to use the ~~adhesive comprising~~ a thermoplastic resin as the adhesive.

Claim (Canceled) 5.

6. (Currently Amended) The laminated optical disc manufacturing apparatus according to claim 1, further comprising:

a spreader that ~~spreading device adapted to~~ integrally rotates ~~rotate~~ the superimposed first substrate and second substrate at a predetermined spreading rotational speed;

wherein the adhesive ~~applier applying device~~ is further adapted to apply the adhesive at a predetermined application rotational speed onto a predetermined radial position on a first surface of the first substrate, the adhesive forming an annular mound having a top edge of a narrow peak shape in cross section;

wherein the second substrate is superimposed onto the first substrate by contacting the top edge of the annular mound with the second substrate; and

wherein the annular mound is spread from the predetermined radial position toward an outside circumference of the first substrate to form the adhesive layer between the first substrate and the second substrate.

7. (Currently Amended) The laminated optical disc manufacturing apparatus according to claim 2, further comprising a ~~bonder that bonding device~~ for completely cures ~~curing~~ the partly cured adhesive layer and completely bonds ~~bonding~~ the first and the second substrates through ~~throughout~~ the adhesive layer.

8. (Currently Amended) The laminated optical disc manufacturing apparatus according to claim 2, further comprising a warping preventer ~~prevention device~~ that provisionally bonds a partially bonded portion of the first and the second substrates and prevents ~~preventing~~ deformation of the provisionally bonded first and second substrates.

Claims 9-13 (Canceled)

14. (Currently Amended) A laminated optical disc manufacturing method comprising:

applying an adhesive to a first substrate ~~to form an adhesive layer having a specific thickness between the first substrate and a second substrate;~~

superimposing ~~the~~ a second substrate onto the first substrate to form an adhesive layer having a specific thickness between the first and second substrates;

inserting a centerer ~~centering device~~ within a common center hole of the superimposed substrates, the centerer ~~centering device~~ comprising at least two contact pins configured to simultaneously contact an inside circumferential edge of the common center hole and supplying high pressure air to said contact pins, wherein the contact pins are adapted to retractably extend in radial ~~substantially opposite~~ directions; and

aligning the superimposed substrates, the aligning comprising pressing the contact pins against the inside circumferential edge of the common center hole.

15. (Original) The laminated optical disc manufacturing method according to claim 14, further comprising partially bonding and provisionally fastening the aligned substrates.

16. (Original) The laminated optical disc manufacturing method according to claim 14, further comprising curing the adhesive layer in proximity to the center hole in the superimposed first and second substrates.

17. (Currently Amended) The laminated optical disc manufacturing method according to claim 15, further comprising completely curing the partly cured adhesive layer and completely bonding the first and the second substrates through ~~throughout~~ the adhesive layer.

Claims 18 and 19 (Canceled)

AMENDMENTS TO THE DRAWINGS

The attached sheets of drawings include changes to figures 11-20 required by the Examiner in the Official Action dated July 31, 2003. The changes add the label of "Prior Art" to the drawings.

Attachment: Replacements Sheets